

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8656	(primary same (coupl\$3 connect\$4) same series) and (primary same secondary) and (((back\$3 near2 up) extra second alternat\$4 substitut\$5 secondary emergen\$4) near3 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:03
L2	1197	1 and ("315"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:02
L3	10611	((power supply main) near4 (fail\$3 disconnect\$4 malfunction emergen\$4)) same (((back\$3 near2 up) extra second alternat\$4 substitut\$5 secondary) near3 (power battery)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:06
L4	2481	L3 and primary and secondary	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:09
L5	1700	L4 and battery	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:09
L6	72	L5 and ("315"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:09
L7	0	L6 not (14 13 11 5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:10
L8	9666	(315/277,288,278,279,274,276,282,287,312,314,316,324,325,291,307,272,247,246,209R).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:11
L9	886	8 and ((\$4charg\$4 battery) same indicat\$4 same (LED light\$3 bulb lamp))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:11
L10	1077	2 not 9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:12

## EAST Search History

L11	874	10 and (lamp light bulb)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:06
L12	155	11 and (\$4charg\$4 same battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 15:03
L13	719	11 not 12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:07
L14	39934	(primary same secondary) and (((back\$3 near2 up) extra second alternat\$4 substi tut\$5 secondary emergen\$4) near3 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:39
L15	2086	14 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:06
L16	1182	15 and (lamp light bulb tube LED)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:06
L17	1143	16 not (13 12)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:07
L18	551	17 and (\$4charg\$4 same battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:16
L19	5	("2265475").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/12 16:17
L20	1559	(David near3 Richard).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:26
L21	2	("4912372").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/09/12 16:30
L22	1694	(315/31?).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:30

## EAST Search History

L23	1883	(315/32?).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:30
L24	3272	22 or 23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:31
L25	25	24 and (primary same secondary same coupl\$3) and (plural\$4 near4 (primary coil\$1 wind\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:37
L26	716	(Frank near3 Roberts).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:37
L27	3	14 and 26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:38
L28	13	26 and (primary same secondary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:39
L29	10	28 not 27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 16:40

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3604	(315/277,288,278,279,274,276,282,287,312,314,316,324,325).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 09:09
S2	9666	(315/277,288,278,279,274,276,282,287,312,314,316,324,325,291,307,272,247,246,209R).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:11
S3	652	(315/185S,200A).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 09:12
S4	1452	S2 and primary and secondary and (back\$4 (back near3 up near5 power)) battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 09:52
S5	290	S4 and ((\$4charg\$4 battery) same indicat\$4 same (LED light\$3 bulb lamp))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 09:53
S6	1463	S2 and primary and secondary and (back\$4 (emergen\$4 (back near3 up near5 power)) battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:23
S7	291	S6 and ((\$4charg\$4 battery) same indicat\$4 same (LED light\$3 bulb lamp))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:11
S8	1	S7 not S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:15
S9	1295	S6 and (diode rectif\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:12
S10	53	S6 and ((plural\$6 several (at near3 least near4 (one two))) near6 (primary near3 (wind\$3 coil2)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:14
S11	42	S10 not S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:24

## EAST Search History

S12	52	S9 and ((emergen\$4 (back near3 up)) near5 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:24
S13	27	S12 not (11 5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 10:38
S14	958	S9 not (13 11 5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 11:29
S15	10611	((((power supply main) near4 (fail\$3 disconnect\$4 malfunction emergen\$4)) same (((back\$3 near2 up) extra second alternat\$4 substitut\$5 secondary) near3 (power battery))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 11:33
S16	2481	S15 and primary and secondary	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 11:28
S17	1700	S16 and battery	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 11:28
S18	72	S17 and ("315"/\$7).cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 11:29
S19	48	S18 not (14 13 11 5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 14:09
S20	8656	(primary same (coupl\$3 connect\$4) same series) and (primary same secondary) and (((back\$3 near2 up) extra second alternat\$4 substitut\$5 secondary emergen\$4) near3 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 13:58

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	39934	(primary same secondary) and (((back\$3 near2 up) extra second alternat\$4 substi tut\$5 secondary emergen\$4) near3 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:42
L2	60373	("315"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:49
L3	2218	1 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:43
L4	10636	1 and ((series near4 (coupl\$4 connect\$4 arrang\$4)) same (load\$2 wind\$4 coil\$1 primar\$4 lamp light\$3 bulb\$1 tube\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:41
L5	1536	4 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:53
L6	2139	4 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:53
L7	207	6 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:43
L8	40272	("307"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:17
L9	787	4 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18
L10	263	9 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18
L11	230	10 not 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18



## EAST Search History

L12	116677	("361"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:24
L13	856	4 and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:24
L14	105	13 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L15	80	14 not (11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L16	128172	("340"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30
L17	516	4 and 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30
L18	108	17 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30
L19	490	17 not (15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L20	82	18 not (15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:31
L21	12857	("320"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L22	497	4 and 21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L23	473	22 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30

## EAST Search History

L24	381	23 not (20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:43
L25	34703	("335"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L26	34	4 and 25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:42
L27	1159	6 not (26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:46
L28	0	27 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:45
L29	9025	1 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:46
L30	283	2 and 29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L31	76	30 not (26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L32	75447	("362"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:49
L33	142	32 and 29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L34	91	33 not (31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:02
L35	9025	1 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:55



## EAST Search History

L36	2517	35 and ((disconnect\$4 failure emergen\$4  ((open\$3 short\$4) near4 circuit) break\$3 broken fault\$3) near6 (load\$1 lamp light tube bulb LED  main supply source\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:59
L37	1950	36 and (rectif\$5 diode\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:01
L38	858	37 and (chang\$4 same battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:02
L39	587	38 not (34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:04
L40	1082	37 and (secondary same (single each one) same primary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:27
L41	756	40 not (34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:25
L42	370	(315/86).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:25
L43	313	42 not (41 34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:26
L44	18	43 and (secondary same primary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:27

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L1	39934	(primary same secondary) and (((back\$3 near2 up) extra second alternat\$4 substi tut\$5 secondary emergen\$4) near3 (power battery))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:42
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L3	2218	1 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:43
L4	10636	1 and ((series near4 (coupl\$4 connect\$4 arrang\$4)) same (load\$2 wind\$4 coil\$1 primar\$4 la mp light\$3 bulb\$1 tube\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:41
L5	1536	4 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:53
L6	2139	4 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:53
L7	207	6 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 20:43
L8	40272	("307"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:17
L9	787	4 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18
L10	263	9 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18
L11	230	10 not 7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:18

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L13	856	4 and 12	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:24
L14	105	13 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L15	80	14 not (11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L16	128172	("340"/\$7).cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30
L17	516	4 and 16	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30
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L19	490	17 not (15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:25
L20	82	18 not (15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:31
L21	12857	("320"/\$7).cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L22	497	4 and 21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L23	473	22 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:30

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L25	34703	("335"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:41
L26	34	4 and 25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:42
L27	1159	6 not (26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:46
L28	0	27 and 2	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:45
L29	9025	1 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:46
L30	283	2 and 29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L31	76	30 not (26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L32	75447	("362"/\$7).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:49
L33	142	32 and 29	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:50
L34	91	33 not (31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:02
L35	9025	1 and (battery near9 \$4charg\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:55

## EAST Search History

L36	2517	35 and ((disconnect\$4 failure emergen\$4  ((open\$3 short\$4) near4 circuit) break\$3 broken fault\$3) near6 (load\$1 lamp light tube bulb LED  main supply source\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 21:59
L37	1950	36 and (rectif\$5 diode\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:01
L38	858	37 and (chang\$4 same battery)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:02
L39	587	38 not (34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:04
L40	1082	37 and (secondary same (single each one) same primary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:27
L41	756	40 not (34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:25
L42	370	(315/86).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:25
L43	313	42 not (41 34 31 26 24 20 15 11 7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:26
L44	18	43 and (secondary same primary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/12 22:27